

IN THE CLAIMS

Please amend the claims as follows:

~~Claim 1 (Currently Amended): A monitor apparatus for a sequential-function-chart-type programmable controller, comprising:~~

~~a reference-active-time memory unit for storing a standard value of an active time of an arbitrary step in a sequential-function-chart program;~~

~~a timer for measuring the active time of the arbitrary step; and~~

~~an anomalous-state monitoring unit which detects an anomalous state of the arbitrary step through comparison between the active time measured by the timer and the ~~reference~~ standard value stored in the reference-active-time memory unit.~~

Claim 2 (Original): A monitor apparatus for a sequential-function-chart-type programmable controller according to Claim 1, further comprising a display unit for displaying the program in such a manner that a step which has been detected by the anomalous-state monitoring unit to be in an anomalous state is distinguished from other steps.

~~Claim 3 (Original): A monitor apparatus for a sequential-function-chart-type programmable controller according to Claim 2, further comprising an execution monitor unit for storing data indicating whether each step in the sequential-function-chart program has been executed, wherein the display unit displays the program in such a manner that a step or steps which have been executed are distinguished from a step or steps which have not yet been executed, on the basis of the data stored in the execution monitor unit.~~

Claim 4 (Original): A monitor apparatus for a sequential-function-chart-type programmable controller according to Claim 3, wherein when conditions for transition from a

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certain step to the next step are satisfied, the execution monitor unit brings a corresponding execution-completion flag into a predetermined state to thereby memorize whether the step has been executed.

Claims 5-6 (Cancelled).

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Claim 7 (Currently Amended): A monitor apparatus for a sequential-function-chart-type programmable controller, comprising:  
a reference-active-time memory unit for storing a standard value of an active time of an arbitrary step in a sequential-function-chart program;  
a timer for measuring the active time of the arbitrary step;  
an anomalous-state monitoring unit which detects an anomalous state of the arbitrary step through comparison between the active time measured by the timer and the ~~reference~~ standard value stored in the reference-active-time memory unit;  
an execution monitor unit for storing data indicating whether each step in the sequential-function-chart program has been executed; and  
a display unit for displaying the program in such a manner that a step detected by the anomalous-state monitoring unit to be in an anomalous state, a step or steps which have been executed, and a step or steps which have not yet been executed are distinguished from one another.

Claim 8 (Original): A monitor apparatus for a sequential-function-chart-type programmable controller according to Claim 7, wherein when conditions for transition from a certain step to the next step are satisfied, the execution monitor unit brings a corresponding

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SUB1* execution-completion flag into a predetermined state to thereby memorize whether the step  
has been executed.

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